

DOBROVOL'SKAYA, A.M., inzh.; DOBROVOL'SKIY, A.S., inzh.

Problem of the natural deformations of asbestos cement in time
succession. Trudy NIIAsbesttsementa no.18:41-48 '64.

(MIRA 17:11)

DOBROVOL'SKIY, A.V., redaktor; SKACHKOV, I.A., inzhener, redaktor; CHERKASOV, N.A., redaktor; VORTMAN, Z.Ya., tekhnicheskii redaktor

[Structural ceramics; a catalog and handbook] Stroitel'naya keramika; katalog-spravochnik. Pod red. A.V.Dobrovol'skogo i I.A.Skachkova. Izd. 2-e. Kiev, Gos. izd-vo tekhn. lit-ry USSR, 1954. 119 p. (MLRA 8:3)

1. Ukraine. Upravleniye po delam arkhitektury i stroitel'stva. 2. Chlen-korrespondent Akademii arkhitektury SSSR. (for Dobrovol'skiy)
3. Deystvitel'nyy chlen Akademii arkhitektury USSR (for Dobrovol'skiy)
(Ceramic materials)

DOBROVOL'SKIY, A.V., glavnyy arkhitekt g. Kiyeva.

Reconstruction of Kiev. Gor.khoz.Mosk. 28 no.4:6-8 Ap '54. (MLRA 7:6)

1. Deystvitel'nyy chlen Akademii arkhitektury USSR.
(Kiev--Building) (Building--Kiev)

DOBROVOL'SKIY, A.V.

ADRIANOV, P.K.; ANDRIANOV, S.M.; BEREZIKOV, B.S.; GOLOVKO, V.G. [Holovko, V.H.]; DOBROVOL'SKIY, A.V. [Doborovol's'kyi, A.V.]; DOVGAL', M.F. [Dovhal', M.F.]; YELIZAROV, V.D. [Ielizarov, V.D.]; ZHIZDRINSKIY, V.M. [Zhyzdryns'kyi, V.M.]; ZVENIGORODSKIY, O.M. [Zvenigorods'kyi, O.M.]; ZAYCHENKO, R.M. [Zaichenko, R.M.]; IVANENKO, Ye.I. [Ivanenko, Ia.I.]; KOMAR, A.M.; KOS'YANOV, O.M.; KAZAKOV, O.I.; KOSSENKO, S.K.; KLIMENKO, T.A.; KIR'YAKOV, O.P.; KALISHUK, O.L.; LELICHENKO, M.T.; LEBEDICH, M.V.; MIKHAYLOV, V.O. [Mykhailov, V.O.]; MOROZ, I.I.; MOSHCHIL', V.Yu. [Moshchil', V.IU.]; NEPOROZHNIY, P.S. [Neporozhni, P.S.]; NEZDATNIY, S.M. [Nezdatnyi, S.M.]; NOVIKOV, V.I.; POLEVOY, S.K. [Polevoi, S.K.]; PEREKHREST, M.S.; PUZIK, O.Ye. [Puzik, O.E.]; RADIN, K.S.; SLIVINSKIY, O.I. [Slivins'kyi, O.I.]; STANISLAVSKIY, A.I. [Stanislavs'kyi, A.I.]; USPENSKIY, V.P. [Uspens'kyi, V.P.]; KHORKHOT, O.Ya.; KHILYUK, P.P.; TSAPENKO, M.P.; SHVETS, V.I.; MAL'CHEVSKIY, V. [Mal'chevs'kyi, V.], red.; ZELENIKOVA, Ye. [Zelenkova, E.], tekhn.red.

[The Ukraine builds] Ukraina buduie. Kyiv, Derzh.vyd-vo lit-ry z budivnytstva i arkhitekt., 1957. 221 p. (MIRA 11:5)
(Ukraine--Construction industry)

DOBROVOL'SKIY, A.V.

A.N.Komar, outstanding scientist and architect. Izv.ASIa no.4:
171-172 '59. (MIRA 13:6)

1. Deystvitel'nyy chlen Akademii stroitel'stva i arkhitektury SSSR.
(Komar, Anatolii Mikolaevich, 1909-1959)

DOBROVOL'SKIY, A. V.

Parasitic illnesses of the muskrat. Xool. Zhur., 31, "o 4, 1952.

1. KHODOROV, YE. I.: LUR'YE, YU. S.: DOBOVOL'SKIY. A. YE.:
GLADKOV, V. F.
2. USSR (600)
4. Kilns, Rotary; Cement Kilns
7. Further improvement on Rotary kilns. Tsement, 18, No.1, 1952.
9. Monthly List of Russian Accessions, Library of Congress, June 1952.
Unclassified.

BEZBOROD'KO, M., inzh.-polkovnik; ~~DOBROVOL'SKIY, B., inzh.-podpolkovnik;~~
LYANDAU, K., inzh.-kapitan.

Is it necessary to conserve a motor? Tankist no. 4:44-47 Ap '58.
(Gas and oil engines) (MIRA 11:5)

DOBROVOL'SKIY, B. V.

Dobrovol'skiy, B. V. - "Characterization of the boundaries of areas of spread of harmful insects passing the Don and in Ciscaucasia," Uchen. zapiski (Rost. n/D gos. un-t im. Molotova), Vol. XIII, 1948, p. 97-99 ---Bibliog: 6 items

So: U-3566, 15 March 53, (Letopis 'Zhurnal Inykh Statey, No. 13, 1949)

DOBROVOL'SKIY, B. V.

24147 DOBROVOL'SKIY, B. V. Zlatoguzka na Donu i Severnom Kavkaze. Uchen. zapiski
(Rost. ND Gos. UN-T im. Molotova), T XV, 1949, S. 35-45. - Bibliogr: 17 nazv.

SO: Letopis, No. 32, 1949.

DOBROVOL'SKIY, B. V.

"Dividing the Northern Caucasus and Don into Sections with Regard to the
Insects Which are Harmful to Cultured Plants" Zool. Zhur. 28, No 4, 1949

Mr. of Chair Entomology, Rostov State Univ. imeni V. M. MOLOTOV

DOBROVOL'SKIY, B. V., KUZNETSOV, K. A.,
SEMNICHINA, I. N.

Oak

Measure for increasing the productivity of oak trees. Les. khoz. 5 no. 4, 1952

2

9. Monthly List of Russian Accessions, Library of Congress, August 1953, Uncl.

DOBROVOL'SKIY, B. V.

May/Jun 53

USSR/Biology - Fauna Classification

"Review of 'Classification of Insects Harmful to Trees and Shrubs of Field Protective Belts,'" (B.V. Dobrovol'skiy, reviewer)

Zool Zhur, Vol 32, No 3, pp 554-556

The series "Opredeliteli Po Faune SSSR" (Classification of Fauna of the USSR) is published by the Zool Inst of the Acad of Sci USSR. Number 36 of this series, entitled "Opredelitel' Nasekomykh, Povrezhdayushchikh Derev'ya i Kustarniki Polezashchitnykh Polos" (Classification of Insects Harmful to Trees and Shrubs of Field-Protective Belts)" classifies harmful insects found in the USSR. The work was published in 1950 by the Zool Inst, Acad of Sci USSR. The material was compiled by a collective of entomologists of the inst. Edited by Ye.N. Pavlovskiy and G.Ya. Bey-Biyenko.

Source #264T14

RASHKEVICH, N.A.; DOBROVOL'SKIY, B.V.

Ecology and importance of the rock to the economy of grassland agriculture. Zool.zhur. 32 no.6:1241-1250 N-D '53. (MLRA 6:12)

1. Rostovskiy gosudarstvennyy universitet im. V.M.Molotova. (Rocks)

DOBROVOL'SKIY, B.
USSR/Geophysics - Soil science conference

FD-685

Card 1/1 : Pub. 129 - 20/25

Author : Dobrovol'skiy, B., Prof.

Title : Activities of Moscow University: Inter-university conference of
biologists and pedologists

Periodical : Vest. Mosk. un., Ser. fizikomat. i yest. nauk, Vol. 9, No. 3,
143-146, May 1954

Abstract : On the initiative of the Ministry of High Education, representatives
of 15 universities (Voronezh, Vilnius, Gor'kiy, Irkutsk, Kazakh,
Kazan, Kiev, Kirgiz, Kishinev, Leningrad, Rostov, Saratov, Uzhgorod,
Ural, and Khar'kov) met 22-26 March 1954, to discuss methods for
improving their research work on soils.

Institution : --

Submitted : --

DOBROVOL'SKIY

FD-1499

USSR/Chemistry - Economic Poisons

Card 1/1 : Pub. 129-2/18

Author : Dobrovol'skiy, B. V.

Title : Chemical method of combatting insects that are harmful to plants in the soil.

Periodical : Vest. Mos. un., Ser. fizikomat. i yest. nauk, 9, No 6, 17-22, Sep 54

Abstract : Describes method of combatting grubs and other insects that attack the roots and other parts of sprouts and seeds. The method consists of applying hexachlorocyclohexane dust directly into the soil in strips between the rows of plants. Tests indicate the method is successful. No references.

Institution : Chair of Entomology

Submitted : January 7, 1954

DOBROVOL'SKIY, B.V.; PONOMARENKO, A.V.; POMALEN'KAYA, O.T., redaktor;
MIKHAYLOVA, T.A., tekhnicheskij redaktor

[Chemical control of injurious insects in the soil] Khimicheskaya
bor'ba s vrednymi nasekomyi v pochve. Moskva, Izd-vo Moskovskogo
universiteta, 1956. 114 p. (MLBA 9:10)
(Insecticides)

USSR/General and Special Zoology - Insects.

P.

Abs JOur : Ref Zhur - Biol., No 7, 30528

Author : Dobrovol'skiy, B.V.

Inst : -

Title : Regional Entomological Studies for Determining and
Carrying out Measures for the Protection of Plants.

Orig Pub : Sb. tr. po Zashchite rast. Riga, AN LatvSSR, 1956, 5-11.

Abstract : The complexity of the kinds of plant protection led to an
increase in the role of regional studies and investigations
by local production experiments. The availability of
scientific institutions and cadres of experienced entomolo-
gists in Latvia created favorable conditions for that.
The valuable work of the Baltic station on plant protection
was noted.

DOBROVOL'SKIY, B.Y.

Eighth All-Union Planning and Methods Conference on Plant Protec-
tion. Zool.shur. 35 no.4:628-632 Ap '56. (MLRA 9:8)
(Plants, Protection of)

DOEROVOL'SKIY, B.V.

On insect names [with English summary in insert] Zool.zhur.35 no.5:
705-708 My '56. (MLRA 9:9)

1.Kafedra entomologii Moskovskogo gosudarstvennogo universiteta
imeni M.V.Lomonosova.
(Insects--Nomenclature)

DOBROVOL'SKIY, B.V.

~~CONFERENCE ON PLANT PROTECTION IN RIGA~~
Conference on plant protection in Riga. Zool.shur.35 no.8:1278-1279
Ag '56. (MLRA 9:10)
(Riga--Plants, Protection of--Congresses)

Dobrovol'skiy, B.V.

3-10-2/30

AUTHOR: Dobrovol'skiy, B.V., Doctor of Biological Sciences, Professor

TITLE: Vuz and the Economic Administrative Area (Vuz i ekonomicheskiy administrativnyy rayon)

PERIODICAL: Vestnik Vysshey Shkoly, 1957, # 10, pp 8-11 (USSR)

ABSTRACT: The author states that training at the higher educational institutions can only be performed if the educational and scientific work is coordinated with industry. Young Soviet specialists must at the very beginning meet industrial problems and develop industrial processes in accordance with technical progress. Therefore a permanent connection between industry, science and education is absolutely necessary in vuzes training industrial cadres. An important role in this matter is imputed to the councils of national economy attached to economic administrative districts.

— The author recommends joining small vuzes into one large educational institution, thus creating chairs which would be able to solve serious problems. He mentions Rostov University which adapts research to local needs and which is the scientific center of the district. The creation of such large institutions is particularly important in the eastern

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Vuz and the Economic Administrative Area

3-10-2/30

areas and in districts where no branches of the USSR Academy of Sciences exist.

As a result of the close connection between a vuz and its economic district, the graduate specialists must be employed in the respective district. The author suggests creating sections of advanced training for specialists working in the vuz' economic district so that the connection between vuz and its former student can be maintained. He considers a 4-year vuz training to be sufficient, believing the future specialist can better spend the fifth year of training in an industrial, scientific or educational institution than at the university. As to the future physician, his sixth year of training better be spent at a hospital than at the university. The author considers also that post-graduate courses are unnecessary: the young specialist may work on his dissertation while practising.

The activity of large-scale vuzes cannot, however, be limited to one economic district. It must be concentrated on methodics, cooperation with other vuzes and the systematic advanced training of teachers.

The connection between vuzes and industrial works, sov-khozes, kolkhozes and scientific institutions must be con-

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Vuz and the Economic Administrative Area

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trolled by the Sovnarkhozes which will direct the vuzes to the solution of complicated industrial and scientific problems requiring the joint efforts of many specialized sections. The vuz should also help to introduce new achievements into industry and among the population.

The Ministry of Higher Education together with the Sovnarkhozes should take measures to coordinate between vuzes and industry. Teachers and students must collaborate on industrial and scientific work in the economic district. Each vuz must develop its own outline and direction according to the requirements of its economic district.

ASSOCIATION: Moscow State University imeni M.V. Lomonosov (Moskovskiy gosudarstvennyy universitet imeni M.V. Lomonosova)

AVAILABLE: Library of Congress

Card 3/3

~~DOBROVOL'SKIY, B. V.~~

"Entomologist's dictionary-manual" by N.G. Berim and others.
Reviewed by B.V. Dobrovol'skii. Zool. zhur. 36 no.7:1109-1111
Jl '57. (MLRA 10:9)

(Entomology--Dictionaries)
(Berim, N.G.)

DOBROVOL'SKIY, B.V.

System of measures used in controlling wireworms, darkling beetles,
and comb-clawed beetles. Nauch. dokl. vys. shkoly; biol. nauki
no.2:34-36 '58. (MIRA 11:10)

1. Predstavlena kafedroy entomologii Moskovskogo gosudarstvennogo
universiteta imeni M.V. Lomonosova.
(Wireworms) (Darkling beetles) (Comb-clawed beetles)

DOBROVOL'SKIY, Boris Vladimirovich

[Distribution of injurious insects; focuses and areas of
greatest infestation] Rasprostraneniye vrednykh nasekomykh;
ochagi i zony naibol'shei vrednosti. Moskva, Sovetskaya
nauka, 1959. 213 p. (MIRA 13:1)
(Insects, Injurious and beneficial)

DOBROVOL'SKIY, prof.

Destroy wireworms as wildespread pests. Zashch.rast.ot vred.i bol.
4 no.3:27-28 My-Je '59. (MIRA 13:4)

1. Moskovskiy gosudarstvennyy universitet.
(Wireworms)

DOBROVOLSKIY, B. V.

"Das Problem der Bekämpfung der Drahtwurmer und die Wege seiner Lösung
in der UdSSR. "

report presented at the Intl. Congress of Entomology, Vienna, Austria,
17-25 August 1960.

DOBROVOL'SKIY, B.V.

In memory of Sergei Aleksandrovich Spasskii (1882-1958). Ent. oboz. 39
no. 4: 959-962 '60. (MIRA 14:3)
(Spasskii, Sergei Aleksandrovich, 1882-1958)

DOBROVOL'SKIY, Boris Vladimirovich; KAPYSHEVA, V.S., red.; YEZHOVA, L.L.,
tekhn. red.

[Phenology of the insect pests of agriculture] Fenologiya naseko-
mykh vreditel' sel'skogo khoziaistva. Izd.2. Moskva, Gos. izd-vo
"Vysshaya shkola," 1961. 123 p. (MIRA 14:7)
(Agricultural pests)

VILENSKIY, D.G., prof., red. [deceased]; DOBROVOL'SKIY, B.V., prof.,
red.; MAKAROV, V.T., prof., red.

[Studies of natural conditions relating to agriculture in the
Meshchera Lowland] Issledovanie prirodnykh uslovii sel'skogo
khoziaistva Meshcherskoi nizmennosti. Pod red. D.G.Vilenskogo,
B.V.Dobrovol'skogo i V.T.Makarova. Moskva, Izd-vo Mosk.univ.
Vol.1. 1961. 299 p. (MIRA 14r4)

1. Orsko-Meshcherskaya kompleksnaya ekspeditsiya.
(Meshchera--Soils)

DOBROVOL'SKIY, B.V., prof., doktor biolog.nauk

Identifying wireworms. Zashch. rast. ot vred. i bol. 6 no.4:31-33
Ap '61. (MIRA 15:6)

1. Moskovskiy gosudarstvennyy universitet.
(Wireworms)

DOBROVOL'SKIY, B.V., prof.

"Fauna of harmful flea beetles" by V.F. Palii. Reviewed by
B.V. Dobrovol'skii. Zashch.rast.ot vred.i bol. 7 no.6:60 Je
'62. (MIRA 15:12)

(Flea beetles)
(Palii, V.F.)

DOBROVOL'SKIY, B.V.

Present state and development of ecologic studies in agricultural entomology. Vop. ekol. 7:50-53 '62. (MIRA 16:5)

1. Moskovskiy gosudarstvennyy universitet.
(Ecology) (Insects, Injurious and beneficial)

DOEROVOL'SKIY, B.V., prof.

Plant protection at the Kiev ecological conferences. Zashch.
rast. ot vred. i bol. 7 no.9:56-57 S '62. (MIRA 16:8)

(Plants, Protection of--Congresses)

DOBROVOL'SKIY, B.V., prof.

Questions and answers. Zashch. rast. ot vred. i bol. 8 no.4:38
Ap '63. (MIRA 16:10)

1. Moskovskiy gosudarstvennyy universitet.
(Wireworms—Extermination)
(Benzene hexachloride)

DOBROVOL'SKIY, B.V., prof.

An interesting monograph. Zashch. rast. ot vred. i bol. 8 no.7:61
Jl '63. (MIRA 16:9)

DOBROVOL'SKIY, B.V., prof.

Fifty years in the service of plant protection. Zashch. rast. ot
vred. i bol. 8 no.9:61 S '63. (MIRA 16:10)

DOBROVOLSKIY, B. V.

"The prognosis of the seasonal appearance and development of insects."
report submitted for 12th Intl Cong of Entomology, London, 8-16 Jul 64.

DOBROVOL'SKIY, Boris Vladimirovich; PONOMARENKO, Aleksandr
Vladimirovich; ENDEL'MAN, G.N., red.

[Chemical control of harmful insects in the soil] Khimicheskaya bor'ba s vrednymi nasekomymi v pochve. Moskva, Izd-vo Mosk. univ., 1965. 129 p. (MIRA 18:10)

DOBROVOL'SKIY, D.M.; LYAL'KIN, M.A. (g. Petrovka Gor'kovskoy oblasti);
BOBERSKIY, A.A. (st. Kok-Su Alma-Atinskoy oblasti, Kazakhskoy
SSR); MIKHAYLOV, A.V.; LARICHKIN, M.Ye.; GERSHMAN, V.I.;
SMOLOV, Ye.I. (Sevastopol')

Notes on textbooks. Fiz.v shkole 22 no.6:87-89 N-D '62.

(MIRA 16:2)

1. 3-ya vos'miletnyaya shkola, g.Serdol'sk, Penzenskoy oblasti
(for Dobrovol'skiy). 2. Srednyaya shkola, s.Undino-Posel'ye
Chitinskoy oblasti (for Mikheylov, A.V.). 3. Shemshinskaya
srednyaya shkola Tatarskoy ASSR (for Larichkin). 4. 56-ya
vechernyaya shkola Moskva (for Gershman).

(Physics---Textbooks).

DOBROVOL'SKIY, D. S., VISHNYAKOV, A. P., ERMAKOV, M. V., TUKACHINSKIY, S. E.

"Electrophoretic Determination of Protein Fractions on Paper," Dokl.
Akad. Nauk USSR 87; 1035-1038, No 6, 1952. (T-2241)

This paper gives a fairly good review of the subject, including numerous important papers by investigators throughout the world. Little originality and some ingenuity are shown; only meager data are given. The authors, so far as we can ascertain, are inexperienced in this field.

DOBROVOL'SKIY, D.S.
Baranov, N. A.

Tekhnologiya Bumazhnogo Proizvodstva/Technology of Paper Manufacture, By N.A. Baranov
I D.S. Dobrovol'skiy. Moskva, Goslesbumizdat, 1953

370 P. Illus., Diags.

"Literatura": P. 358-[361]

At Head of Title: Russia. Ministerstvo Bumazhnoy I Derevoprerabatyvayuschey
Promyshlennosti.

N/5
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DOBROVOL'SKIY, D.S.

Grinding the pulp on conical mills. *Hum. prom.* 28 no.12:5-6 D '53.
(MLRA 6:12)

1. Tsentral'nyy nauchno-issledovatel'skiy institut tsellyuloznoy i
bumashnoy promyshlennosti.
(Wood pulp)

Central Sci Res Inst of Cellulose & paper Industry

DCEROVOL'SKIY, D. S.

Dissertation: "Investigation of the Effect of Surface Active Substances on Certain Properties of Sulfite Cellulose During Heating in the Manufacture of Paper and Cartons." Cand Tech Sci, Moscow Technological Inst of Light Industries ireni L. M. Kaganovich, 29 Apr 54. (Vechernyaya Moskva, Moscow, 29 Apr 54)

SO: SUM 243, 19 Oct 1954

DOBROVOL'SKIY, D.S., kandidat tekhnicheskikh nauk.

Energy consumption in grinding pulp in conical mills. Bum.
prom.29 no.9:23-24 S'54. (MLRA 7:11)

1. Tsentral'nyy nauchno-issledovatel'skiy institut bumagi.
(Wood pulp)

DOBROVOL'SKIY, D.S., kandidat tekhnicheskikh nauk.

On some problems of producing paper pulp. Bum.prom. 30 no.4:
8-9 Ap.'55. (MIRA 8:6)

1. Tsentral'nyy nauchno-issledovatel'skiy institut bumagi.
(Wood pulp)

Central Sci. Res. Inst. of paper

BARANOV, Nikolay Aleksandrovich, inzh.; DOBROVOL'SKIY, Dmitriy Sergeyevich,
kand.tekhn.nauk, dots.; IVANOVA, Klavdiya Aleksandrovna, retsenzent;
MALYUTIN, Vladimir Nikolayevich, retsenzent; VASENKO, A.V., red.;
SIDEL'NIKOVA, L.A., red.izd-va; SHITS, V.P., tekhn.red.

[Technology of papermaking] Tekhnologiya bumazhnogo proizvodstva.
Izd. 2-oe, perer. i dop. Moskva, Goslesbumizdat, 1957. 333 p.
(Paper industry) (MIRA 11:5)

DOBROVOL'SKIY, D.S., dotsent

Certain aspects of the theory and practice of paper pulp manu-
facture. Trudy Sib.tekh.inst. no.23:1-13 '59. (MIRA 14:4)
(Woodpulp) (Paper industry)

DOBROVOL'SKIY, Dimitriy Sergeyevich, kand. tekhn.nauk, dots.;
URAZOV, I., red.; GIL'DEBRANT, Ye., tekhn. red.

[Acoustic method of heating woodpulp] Akusticheskii sposob
razmola tselliulozy. Krasnoiarsk, Krasnoiarskoe knizhnoe
izd-vo, 1961. 43 p. (MIRA 17:3)

1. Zaveduyushchiy kafedroy tsellyulozno-bumazhnogo proizvodstva
Sibirskogo tekhnologicheskogo instituta (for Dobrovol'skiy).

DOBROVOL'SKIY, D.S.

Paper industry of Czechoslovakia. Bum.prom. 36 no.2:30-31 P '61.
(MIRA 14:2)
(Czechoslovakia—Paper industry)

DOBROVOL'SKIY, D.S.

"Papermaking in theory and practice" [in Slovak] by F. Kozmal.
Reviewed by D. S. Dobrovolskii. Bum. prom. 36 no.7:31. JI '61.
(MIRA 14:9)

1. Zaveduyushchiy kafedroy tsellyulozno-bumazhnogo proizvodstva
Sibirskogo tekhnologicheskogo instituta.
(Paper industry)
(Kozmal, F.)

DOBROVOL'SKIY, D.S., kand.tekhn.nauk; BYVSHEV, A.V., inzh.; LEVIN, B.D., inzh.

Pulp grinding with the help of acoustic media. Bum. prom. 36 no.9:
26-27 S '61. (MIRA 15:1)

(Papermaking machinery)

DOBROVOL'SKIY, D.S., dots., kand. tekhn. nauk

[Proceedings of the Second Scientific Conference of the
Research Laboratory for Interconnected Problem. Materialy
vtoroy Nauchnoy konferentsii kompleksnoi problemnoi labo-
ratorii. Krasnoyarsk, Kompleksnaya problemnaya laborato-
riya, 1962. 118 p. (MIRA 17:7)

1. Nauchnaya konferentsiya kompleksnoy problemnoy laboratorii. 2.

DOBROVOL'SKIY, D.S.

Woodpulp and paper industry of Czechoslovakia. Bum. i der.
prom. no.4:55 O-D '63. (MIRA 17:3)

1. Sibirskiy tekhnologicheskii institut.

DOBROVOL'SKIY, D.S.; BYVSHEV, A.V.

Pulp grinding by means of a generator of sonic vibrations. Bum.prom.
[38] no.7:3-5 J1 '63. (MIRA 16:8)

1. Sibirskiy tekhnologicheskii institut.
(Woodpulp industry--Equipment and supplies)
(Sound waves--Industrial applications)

DOBROVOL'SKIY, D.S., kand. tekhn. nauk; KUZICHKIN, I.M., inzh.-ekonomist

Textbook on the accounting for paper stock resources and their
utilization. Bum. prom. 38 no.11:30 N '63. (MIRA 17:1)

KOZMAL, Frantisek [Kozmal, Frantisek], prof.; DOBROVOL'SKIY,
D.S., kand. tekhn. nauk, dots. [translator]

[Paper manufacture in theory and practice] Proizvodstvo
bumagi v teorii i na praktike. Moskva, Izd-vo "Lesnaya
promyshlennost'." Vol.1. [Manufacture of semifinished
products] Proizvodstvo voloknistykh polufabrikatov.
1964. 878 p. Translated from the Slovak. (MIRA 17:5)

1. Chlen-korrespondent Slovatskoy akademii nauk (for
Kozmal). 2. Zaveduyushchiy kafedroy tsellyulozno-bumazhnogo
proizvodstva Sibirskogo tekhnologicheskogo instituta (for
Dobrovol'skiy).

DOBROVOL'SKIY, Dmitriy Sergeyevich; IOFFE, G.M., red.

[Role of mechanical factors in the beating of cellulose materials] Rol' mekhanicheskikh vozdeistvii pri razmole tseliuloznykh materialov. Moskva, Lesnaia promyshlennost', 1965. 47 p. (MIRA 18:4)

DOBROVOL'SKIY, G.

27-6-4/29

AUTHOR: Dobrovol'ski, G., Teacher of Trade School Nr. 17 (Kiyev)

TITLE: Laboratory Work in Construction Schools (Laboratornyye raboty v stroitel'nykh uchilishchakh)

PERIODICAL: Professional'no - Tekhnicheskoye Obrazovaniye, 1957, Nr. 6(145) pp 5 - 6 (USSR)

ABSTRACT: The author recommends that the construction schools spend considerable time on teaching the physico-mechanical properties of building materials, and elements of assembled structures. They should also furnish information to the students concerning the method of obtaining one or the other kind of material and the reason for its use. In addition to practical laboratory work, excursions should be arranged to construction material plants.

ASSOCIATION: Trade School Nr. 17 (Kiyev) (Remeslennoye uchilishche Nr. 17 (Kiyev))

AVAILABLE: Library of Congress

Card 1/1

AUTHOR: Dobrovol'skiy, G., school instructor SOV/27-59-1-21/31
TITLE: ~~Professional'no-tekhnicheskoye obrazovaniye~~
The Laboratory of the School (Laboratoriya uchilishcha)
PERIODICAL: Professional'no-tekhnicheskoye obrazovaniye, 1959, Nr 1,
p 32 (USSR)
ABSTRACT: A building material laboratory has been set up at the Kiyev
trade school #17. The Kiyev Glavkiyevstroy supplied
among others the following equipment: 1 two-lever material-
tearing apparatus, 1 five-ton press, 1 drop hammer, 1
steam chamber, 1 microscope, various technical equipment,
4 apparatuses designed for determining the binding date
of binders, sets of sieves, and molds for producing
patterns. The author mentions the type of work usually
performed in such laboratories.

Card 1/1

DOBROVOI'SKIY, G.A. (Saratov)

Method of anatomic study of the lungs with the aid of various
polymeric materials. Arkh. pat. 27 no.8:76-77 '65.

(MIRA 18:10)

1. Kafedra normal'noy anatomii (zav. - prof. V.I.Bik) Saratovskogo
meditsinskogo instituta.

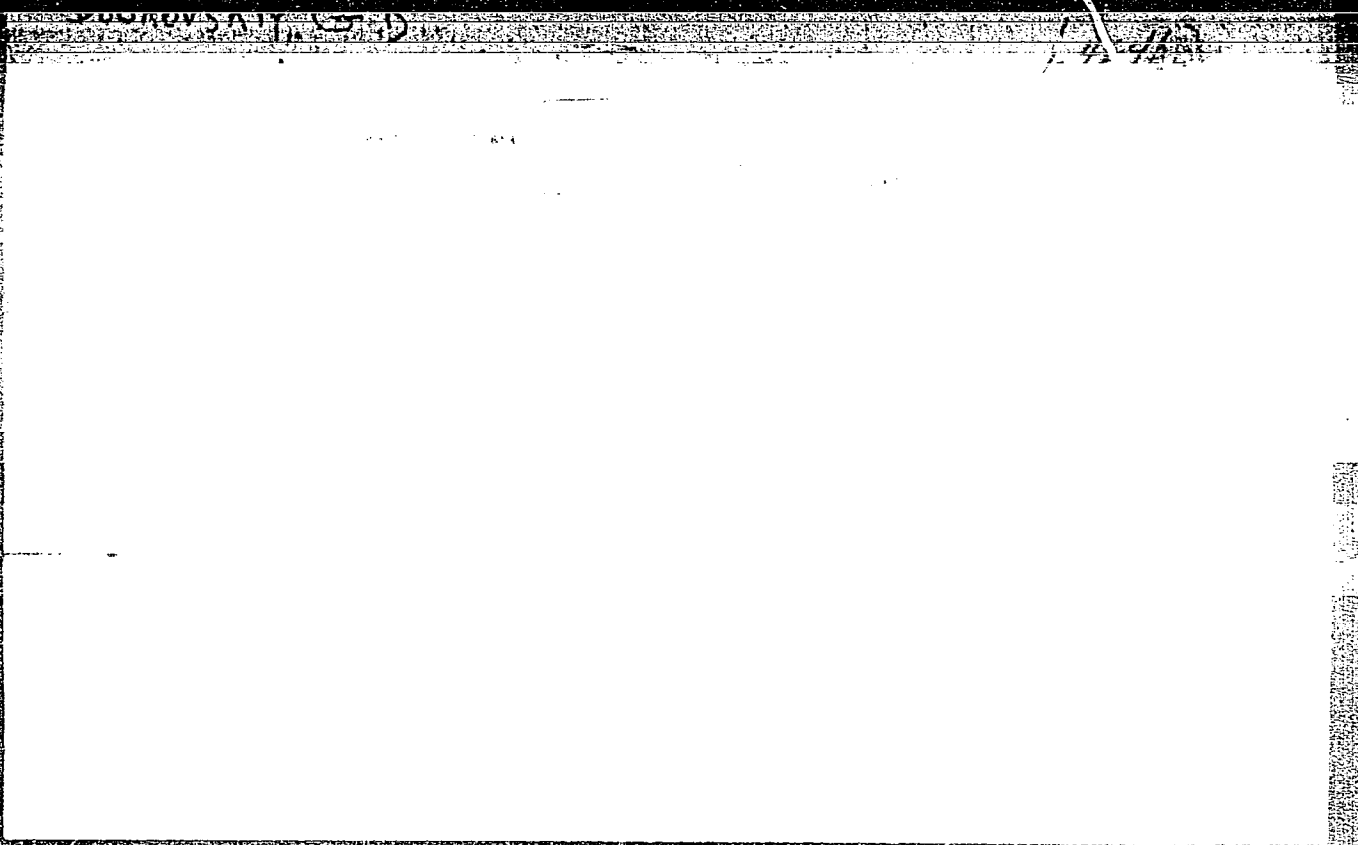
DOBROVOL'SKIY, G.A. (Saratov, 4-y Vakurovskiy prospekt, 33, kv.4)

Manufacture of soft anatomical corrosion preparations of SKT-N
caoutchouc. Arkh.anat., gist. i embr. 46 no.4:93-94 Ap '64.
(MIRA 18:5)

1. Kafedra normal'noy anatomii (zav. - prof. V.I.Bik) Saratovskogo
meditsinskogo instituta.

"APPROVED FOR RELEASE: 06/12/2000

CIA-RDP86-00513R000410620018-9



APPROVED FOR RELEASE: 06/12/2000

CIA-RDP86-00513R000410620018-9"

1 5712E-65 EMT(3)/EMP(a)/EMI(a)/EMA(d)/EMP(v)/EMP(t)/EMP(k)/EMP(h)/EMP(z)/EMP(b)/
 ACCESSION NR: AP5018760 EMP(1) Pf-4 JD UR/0304/64/000/004/0068/0069

AUTHOR: Litovchek, I. (Engineer); Dobrovolskiy, G. G. (Engineer); Uverov, V. I. (Engineer); Vasilenko, V. S. (Engineer); Viktorov, G. V. (Engineer)

TITLE: Production of magnetically soft materials using powder metallurgy

SOURCE: Mashinostroyeniye, no. 4, 1964, 68-69

TOPIC TAGS: powder metallurgy, mechanical engineering

ABSTRACT: At the "Elektroismeritel'" plant in Zhitomir, which makes electrical measuring instruments of type TA-57, the magnetic circuit components of the instruments in the manufacture of "ring" parts from this material is wasted in the form of shavings, and the process of experimental investigations were made by the Technical Glass and the production of ring parts.

Card 1/2

L 57128-65

ACCESSION NR: AP5018760

The powder material used, pressing, sintering, and post-pressing operations are described. Dimensions of the parts are given, and their various physical and magnetic properties are listed. Advantages of the powder method over the ordinary process amount to an annual saving of 9,300 rubles.

ASSOCIATION: none

SUBMITTED: 00

NR REF SOV: 000

ENCL: 00

OTHER: 000

SUB CODE: MM, TE

JFRS

Card 2/2

L 26120-66 EWT(m)/ETC(m)/EWG(m)/EWP(m) AT/WH/WW/JD/JG
 ACC NR: AP6015070 SOURCE CODE: UR/0363/66/002/005/0864/0869
 AUTHOR: Dobrovolskiy, A. G.; Dobrovolskiy, G. G.; Lyudvinskaya, T. A.;
 Popichenko, E. Ya.
 ORG: Institute of Materials Technology, Academy of Sciences SSSR 32
 (Institut problem materialovedeniya Akademii nauk SSSR) B
 TITLE: Slip casting of zirconium boride
 SOURCE: AN SSSR. Izvestiya. Neorganicheskiye materialy, v. 2,
 no. 5, 1966, 864-869
 TOPIC TAGS: high temperature ceramic product, zirconium boride,
 ceramic technology, slip casting
 ABSTRACT: Slip casting of profiled zirconium boride products (crucibles, thermocouple sheaths) has been studied as a more convenient and more economic method of producing complex forms than conventional compression molding. The importance of ZrB_2 is stressed for high-temperature technology. Preparation of gypsum molds, of zirconium carbide powder and slip for casting, the slip casting procedure and sintering of cast ZrB_2 products were described. The optimum slip composition was found to be 78% solids and 22% liquid phase and the optimum liquid phase was a 3% aqueous solution of carboxymethylcellulose. These compositions were the most stable of all studied and
 Card 1/2 UDC: 546.831'27

L 26120-66

ACC NR: AP6015070

the cast products prepared from them had a maximum density and did not crack subsequently. Stability of the slip was increased by preliminary straining of the liquid phase through a sieve. Change of pH of the slip was without effect on the casting. Increasing the temperature of the slip or mold up to 50C did not affect density of the cast product and tended to produce blow holes. Density of the slip cast products was of the same order as in other molding processes, but slip casting was favored over other methods in respect to uniform distribution of particles in the product. The slip cast products, e.g., crucibles 80 x 60 mm and thermocouple sheaths 250 x 30 mm, displayed considerable shrinkage on sintering at 2200C and increase in density to 5.4 g/cm³, which corresponded to a 12% residual porosity. Orig. art. has: 6 figures. [JK]

SUB CODE: 13/ SUBM DATE: 24May65/ ORIG REF: 007/ OTH REF: 002
ATD PRESS: 4252

Card 2/2 CC

DOBROVOL'SKIY, G.M.

DOBROVOL'SKIY, G.M.; INDENBAUM, V.S., redaktor; MIKHAYLOVA, V.V.,
tekhnicheskij redaktor.

[Progressive work practice of V.A.Vodov, senior mechanic in
the turbine department of the heat and electric power plant of
the Kuznetsk Metallurgical Combine] Peredovoy opyt raboty
V.A.Vodova starshego mashinista turbinного tsakha TETs
Kuznetskogo metallurgicheskogo kombinata. Moskva, Gos.nauchno-
tekhn.izd-vo lit-ry po chernoi i tsvetnoi metallurgii, 1955.
49 p. (NLRA 8:12)

(Steam turbines)

DOBROVOL'SKIY, Georgiy Nikolayevich; GONCHAR, A.S., red.; BABIL'CHANOVA
G.A., tekhn. red.

[Concise handbook for the painter]Kratkii spravochnik maliara-
al'freishchika. Kiev, Gosstroizdat, 1962. 292 p.
(MIRA 16:3)

(Painting, Industrial)

DMITRIYEV, A.P., dotsent; DOBROVOL'SKIY, G.N., inzh.; KUZUYAYEV, L.S., inzh.;
TRET'YAKOV, O.N., inzh.; YAMSHCHIKOV, V.S., inzh.

Determining certain physical properties of rock for estimating
their drillability by thermal piercing. Izv. vys. ucheb. zav.;
gor. zhur. no.8:86-90 J1 '64 (MIRA 18:1)

1. Moskovskiy institut radioelektroniki i gornoy elektromekhaniki.
Rekomendovana kafedroy fiziki gornyykh porod.

L 30970-66 EWT(1) GN

ACC NR: AR6000809

SOURCE CODE: UR/0169/65/000/009/G012/G012

SOURCE: Ref. zh. Geofizika, Abs. 9G81

AUTHOR: Yamshchikov, V. A.; Dobrovol'skiy, G. N.

TITLE: A new method for a comprehensive study of the physical properties of rocks at high temperatures

CITED SOURCE: Nauchn. tr. Mosk. in-ta radioelektroniki i gorn. elektromekhan., sb. 52, vyp. 1, 1964, 13-17

TOPIC TAGS: earth science instrument, heat expansion, elasticity

TRANSLATION: A method is developed which may be used for finding the module of elasticity, the coefficient of linear expansion and their product for rocks in a temperature field from 0 to 900°C. This method is an expansion of the previously used ultrasonic pulse method. The specimens studied are rods with a radius smaller than a wavelength. A special unit is added to the measuring device which may be used to determine the linear expansion of the specimen and to record the change in time for propagation of an elastic wave in the specimen during heating. A block diagram of the device is given.

SUB CODE: 00

DMITRIYEV, A.P., kand.tekhn.nauk; DERBENEV, L.S., gornyy inzh.; KAPUSTIN, A.A., gornyy inzh.; KUZUYAYEV, L.S., gornyy inzh.; DOBROVOL'SKIY, G.N., gornyy inzh.

Boring holes with thermal jet piercing machines with the use of air.
Gor.zhur. no.1:44-45 Ja '65. (MIRA 18:3)

1. Moskovskiy institut radioelektroniki i gornoy elektromekhaniki.

"APPROVED FOR RELEASE: 06/12/2000

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APPROVED FOR RELEASE: 06/12/2000

CIA-RDP86-00513R000410620018-9"

DOBROVOL'SKIY, G.P.

94-3-8/26

AUTHOR: Dobrovol'skiy, G.P., Candidate of Technical Sciences.

TITLE: Turbulent Burners for Burning Natural Gas under Boilers
(Turbulentnyye gorelki dlya szhiganiya prirodnogo gaza
pod kotlami)

PERIODICAL: Promyshlennaya Energetika, 1958, Vol.13, No.3,
pp. 13 - 16 (USSR)

ABSTRACT: In a number of power stations in the Ukraine, boilers converted to burn natural gas have turbulent burners with peripheral gas delivery. The design of a turbulent burner to take 500 m³/hour of gas is illustrated in Fig.1 and briefly described in the article. The burners, installed in the front or side walls of the furnace, ensure good mixing of the air and gas, and are cheap and reliable. During boiler tests, relationships were obtained between the air pressure at the burner and the gas flow for a given excess-air factor. In particular, a formula is given for the burner illustrated in Fig.1. Generalised characteristics for different-sized burners of this type are graphed in Fig.3, which may be used when selecting the size of burner (mixing chamber diameter). The other dimensions of the burner may be selected by reference to Fig.1, in which the dimensions are given in proportion to the diameter of the mixing chamber. Tests also showed that the least gas-pressure for

Card1/2

Turbulent Burners for Burning natural Gas under Boilers 94-3-8/26

good mixing is of the order of 200 - 250 mm water. A formula is given to calculate the number of apertures for gas outlet that are required.

Finally, test data are given for a steam boiler with turbulent burners proportioned according to Fig.1. The boiler was previously equipped with a chain-grate stoker which was covered with a layer of slag and two layers of bricks. The tests were carried out using natural gas from the Dashavsk field with a calorific value of 8 500 kcal/m³. The test data are tabulated. The greatest loss occurred with the flue gas, and was 7 - 8%. At 80% load, the loss due to incomplete combustion was about 2%, and at 100% load, it was zero. Because of the absence of screens, the furnace walls became rather hot and to prevent damage, care must be taken to avoid overloading the burners. There are 3 figures.

ASSOCIATION: Institute for Gas Utilisation of the AcSc Ukrainian SSR
(Institut ispol'zovaniya gaza AN USSR)

AVAILABLE: Library of Congress
Card 2/2

DOBROVOL'SKIY, N. V.

"Red Soils of the Southern Seashore of the Crimea
in the Vicinity of Ayu-Dag." Thesis for degree of
Cand. Geological - Mineralogical Sci. Sub 16 Jun 49,
Moscow Order of Lenin State U imeni M. V. Lomonosov

Summary 82, 18 Dec 52, Dissertations presented
for Degrees in Science and Engineering in Moscow
in 1949. From Vechernyaya Moskva. Jan-Dec 1949

DOBROVOL'SKIY, G.V.

The red-colored soils of the south coast of Crimea. G.V. Dobrovolskiy. *Vestnik Moskov. Univ.* 8, No. 9, ser. Fiz.-Mat. i Estestven. Nauk No. 9, 123-37 (1960).—D. describes 2 types of red-colored soils: those on limestone (*terra rossa*) and those on compact, crystalline igneous rocks (e.g., diorite). These soils are analogous to Mediterranean soils of the semiarid subtropics, but are quite different both as to plant cover and soil fauna from the *barroco* (brown soils) of the middle Crimean zone (400-1000 m. elevation). These red-colored soils resemble *kraurozem*, especially in the finer fractions. Red-colored soils on igneous rock resemble chestnut-brown, low-humus soils. Microclimatic conditions make the lower littoral zone (below 300 to 350 m. elevation) in effect a special soil-geographic region, well suited for subtropical cultivation (e.g., citrus or olive), although terracing is required because of deforestation. The year-round position promotes a high rate of microbiological processes and intensive weathering.

A. W. Daly

DOBROVOL'SKIY, G. V.

Physical Geography - Transbaikalia

Problem of the ancient river system and lake basins of southeastern Transbaikalia.
Vest. Mosk. un., 7, No. 3, 1952.

9. Monthly List of Russian Accessions, Library of Congress, October, 1952~~1950~~, Unclassified.

1. DOBROVOL'SKIY, G. V.
2. USSR(600)
4. Sabanin, Aleksei Nikolaevich, 1847-1920.
7. A. N. Sabanin; one of the greatest representatives of the Russian science of soil origins. Pochvovedenie No. 12, 1952.
9. Monthly List of Russian Accessions, Library of Congress, April 1953, Uncl.

DOBROVOL'SKIY, G.V.

A.N. Sabanin, founder of the department of soil science at the Moscow University (thirtieth anniversary of the department, 1922-1952). Vest.Mosk. un. 8 no.2:115-127 F '53. (MLRA 6:5)

1. Kafedra pochvovedeniya. (Sabanin, Aleksey Nikolayevich, 1847-1920)
(Soils--Bibliography) (Bibliography--Soils)

Chair Soil Sci., Moscow State Univ. in M.V. Lomonosov

The soils of the lower river valley are of the Glei type. They are formed in the alluvial deposits of the river valley. The soils are of the Glei type. They are formed in the alluvial deposits of the river valley.

spot, the reducing reactions cause the formation of gley. In the more elevated areas, the soils are of a more distinct type of podzolization with a distinct formation of a B horizon. The soils are of the Glei type. They are formed in the alluvial deposits of the river valley.

COUNTRY : USSR
 CATEGORY : Soil Science. Soil Genesis and Geography. J
 AGR. JOUR. : RZhBiol., No. 3 1959, No. 10646
 AUTHOR : Dobrovolskiy, G. V.
 INST. : Moscow University
 TITLE : Problems on the Theory of Soil Formation in
 the Flood Plains of Rivers in Forest Zone.
 ORIG. PUB. : Vestn. Mosk. un-ta Ser. biol. pochvoved. geol., geogr.,
 1957, No. 1, 69-82 Vol 12
 ABSTRACT : The characteristics of the genesis of flood plain soils
 can be explained most clearly by an examination of soil
 formation in the flood plains from the standpoint of the
 relationship of the great geological and minor biological
 cycles of matter. From this standpoint, the high rate of
 flood plain soil formation, the high biogenicity and fer-
 tility of a considerable part of flood plain soils can be
 satisfactorily explained. It is proposed to distinguish

CARD: 1/2

Chair of Soil Science

COUNTRY	:	
CATEGORY	:	J
ABS. JOUR.	:	RZhBiol., No. 1959, No. 10646
AUTHOR	:	
INST.	:	
TITLE	:	
ORIG. PUB.	:	
ABSTRACT	:	three types of soils in the flood plains of the forest sone: flood plain turf type, water meadow, and flood plain bog types. The subject of the manifestation of th. podzolization process in the river valley under the flood plain forests is discussed. --G. V. Dobrovol'skiy

CARD: 2/2

DOBROVOL'SKIY, G.V.; ZYRIN, N.G.

Some features in the geography and chemistry of bottom-land soils. Vest.
Mosk. un. Ser. biol., pochv., geol., geog. 12 no.3:129-135 '57.

(MIRA 10:12)

1. Kafedra pochvovedeniya Moskovskogo gosudarstvennogo universiteta.
(Alluvial lands)

DORROVOL'SKIY, G.V.

The condition of raised ground water level in shore areas of
reservoirs. Nauch.dokl.vys.shkoly;biol.nauki no.3:173-178
'58. (MIRA 11:12)

1. Predstavlena kafedroy pochvovedeniya Moskovskogo gosudar-
stvennogo universiteta imeni M.V.Lomonosova.
(Water, Underground) (Reservoirs)

~~DOBROVOL'SKIY, G.V.~~

Classification of alluvial soils of the forest zone [with summary
in English]. Pochvovedenie no.8:93-101 Ag '58. (MIRA 11:9)

1.Moskovskiy gosudarstvennyy universitet.
(Alluvial lands)

DOBROVOL'SKIY, G.V.; GEL'TSER, Yu.G.

Soil fauna studies in the Klyaz'ma River flood plain. Vest.
Mosk.un.Ser.biol.,pochv.,geol.,geog. 13 no.4:81-91 '58.
(MIRA 12:4)

1. Kafedra pochvovedeniya Moskovskogo universiteta.
(Klyaz'ma Valley--Soil fauna)

DOBROVOL'SKIY, G.V.; LOBUTEV, A.P.

Bottom-land soils of the Klyaz'ma Valley and their agricultural utilization. Nauch. dokl. vys. shkoly; biol. nauki no.4:175-181 '59.
(MIRA 12:12)

1.Rekomendovana kafedroy pochvovedeniya Moskovskogo gosudarstvennogo universiteta im. M.V. Lomonosova.
(Klyaz'ma Valley--Soils)

DOBROVOL'SKIY, G.V.; TITKOVA, N.F.

Characteristics of soil structure in floodland oak forests.
Pochvovedenie no.1:15-25 Ja '60. (MIRA 13:5)

1. Moskovskiy gosudarstvennyy universitet.
(Forest soils)

DOBROVOL'SKIY, G.V.; YAKUSEVSKAYA, I.V.

Some patterns of trace element distribution in soils of river valleys. Vest. Mosk. un. Ser. 6: Biol., pochv. 15 no. 5:57-70
8-0 '60. (MIRA 13:12)

1. Kafedra pochvovedniya Moskovskogo universiteta.
(Alluvial lands) (Trace elements)

DOBROVOL'SKIY, G.V.; BAB'YEVA, I.P.; LOBUTEV, A.P.

Characteristics of moisture, gases, and microflora in flood and
soils. Pochvovedenie no.11:41-54 N '60. (MIRA 13:11)

1. Moskovskiy gosudarstvennyy universitet.
(Soil moisture) (Gases in soils) (Soil micro-organisms)

DOBROVOL'SKIY, G.V.; YEVDOKIMOVA, T.I.

Preservation and increase of soil fertility in floodlands of the
non-Chernozem zone. Pochvovedenie no.9:59-66 S '61.

(MIRA 14:10)

1. Moskovskiy gosudarstvennyy universitet.
(Alluvial lands) (Soil fertility)

DOBROVOL'SKIY, G.V.

Lomonosov and soil science. Pochvovedenie no.10:1-9 0 '61.
(MIRA 14:9)

1. Moskovskiy gosudarstvennyy universitet.
(Lomonosov, Mikhail Vasil'evich, 1711-1765.)

DOBROVOL'SKIY, G. V.

Soil zoning as one of the main problems of soil science. Nauch.
dokl. vys. shkoly; biol. nauki no.3:7-12 '62.

(MIRA 15:7)

(SOILS)

DOBROVOL'SKIY, G.V.

Fuller use of the scientific personnel of the schools of higher learning in the struggle for the intensification of agricultural production. Nauch. dokl. vys. shkoly; biol. nauki no. 2:7-10 '64. (MIRA 17:5)

9.6000

9.5400

37787
S/120/62/000/002/018/047
E192/E382

AUTHORS: Pelykh, N.A., Pronyushkin, A.V., Golovkov, V.P. and
Dobrovolskiy, G.V.

TITLE: An instrument for high-accuracy measurement of time
intervals

PERIODICAL: Pribery i tekhnika eksperimenta, no. 2, 1962,
76 - 80

TEXT: The instrument described (type ИВН-4 (IVI-4)) was
designed on the principle adopted in an earlier device
(Ref. 2 - N.A. Pelykh, A.V. Pronyushkin - PTE, no. 4, 1961, 83).
The high relative accuracy of this instrument is due to the
use of an oscillator and an electronic counter. The counter
and the interrogation circuits are of the same type as those
used in the earlier instrument. The high absolute accuracy of
the instrument is due to the use of an oscillograph system.
The instrument employs a two-ray tube, type 18Л047 (18L047).
When an input pulse appears, the horizontal time bases 1 and
2 are actuated and when these return to their rest position
the vertical time base is triggered. The number of lines on
Card 1/4

S/120/62/000/002/018/047
E192/E382

An instrument for

the screen of the tube is therefore equal to the number of input pulses. One input pulse is recorded on each line of the time base 1. Simultaneously, timing pulses from a quartz-crystal oscillator working at 1 Mc/s and an interrogation pulse corresponding to the given input pulse are applied to this time base; the interrogation pulse is situated at the mid-point between two neighbouring pulses of the quartz-crystal oscillator. The time base 2 is used for registering the number of timing pulses received during the interval between two neighbouring interrogation pulses; the timing pulses are recorded in a binary code. The instrument comprises a special circuit which synchronously switches off the counter during three periods of the crystal oscillator; this circuit made it possible to use one counter instead of two. The counter continuously counts the pulses from the crystal oscillator before the appearance of the first pulse. However, when an input pulse appears, the time base 1 and a gating pulse generator are triggered, the gating generator producing a positive pulse of 1.5 μ s duration. This pulse is applied to a coincidence circuit which transfers

Card 2/4

An instrument for ...

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E192/E382

When the unblanking pulse of the time base 2 is terminated the vertical time base is actuated and the rays are shifted vertically by one step. The process is repeated during the appearance of the next pulse at the input. A block diagram of the instrument is given and its operation is illustrated by a number of wave forms. The instrument permits measurement of the individual time intervals with an accuracy of $\pm (0.02 \mu s + 10^{-6} t_m)$, where t_m is the measured time interval; 10^{-6} represents the short-term instability of the quartz crystal. The maximum number of measured intervals is 40. There are 6 figures and 1 table.

SUBMITTED: May 4, 1961

Card 4/4